

## Sunnyside Cogeneration Associates

**COPY**

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 10, 2002

Daron Haddock  
STATE OF UTAH  
Division of Oil, Gas & Mining  
1594 W. North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Annual 2001 Inspection Report

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2001 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil area. The inspection was performed by a professional engineer from Psomas and Associates Engineering.

Should you have any questions, please contact me at (435) 888-4476.

Sincerely,

Agent For  
Sunnyside Cogeneration Associates

Randy J. Scott  
Plant Manager

Enclosure

c.c. Karl Houskeeper/Division of Oil, Gas & Mining  
Rusty Netz, COSI  
Plant File

**RECEIVED**

JAN 15 2002

DIVISION OF  
OIL, GAS AND MINING

File in: 0070035. 2002. Incoming  
Refer to:  
☐ Confidential  
☐ Shelf  
☒ Expandable  
Date: 01/002 For additional information

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

Clear Water Pond

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond was essentially dry with some snow cover.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

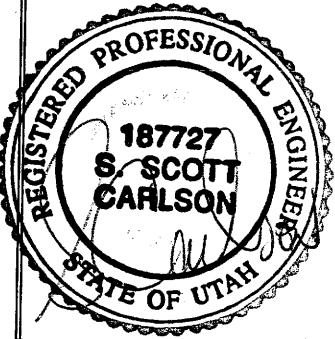
In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Clear Water Pond	
<b>CERTIFIED REPORT</b>		
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)	<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
<b>COMMENTS AND OTHER INFORMATION</b>		
<p>None</p>		
<b>Certification Statement:</b>  	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson</u>      Project Director</p> <p style="margin-left: 100px;">(Full Name and Title)</p> <p>Signature: <u><i>S. Scott Carlson</i></u>      Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 UT</u></p>	

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date 12/28/01	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.8 acre-feet Maximum Sediment Depth Elevation = 6207.7 Estimated Existing Sediment Elevation = 6207+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6212.34 Primary Drain Elevation = 6209.07</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

Railcut Pond

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,  
no structural or hazardous conditions exist.

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond was essentially dry with some snow cover.  
No structure or stability problems observed.

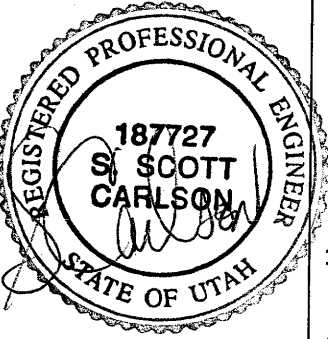
**Qualification  
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:



Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Railcut Pond	
<b>CERTIFIED REPORT</b>		
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)	<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
<b>COMMENTS AND OTHER INFORMATION</b>		
None		
<b>Certification Statement:</b>  	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, P.E. Project Director</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 - UT</u></p>	

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Old Coarse Refuse Road Sediment Pond	
	<b>Impoundment Number</b>	008	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p><b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b></p> <p>NONE</p>			
<b>Required for an impoundment which functions as a SEDIMENTATION POND</b>	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 0.9 acre-feet  Maximum Sediment Depth Elevation = 6394.75  Estimated Existing Sediment Elevation = 6394+-</p>		
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6399.4  Primary Drain Elevation = 6395.75</p>		



**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

OCRR Pond

**4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond was essentially dry with some snow cover. inlet/outlet conditions are good,

No structural or hazardous conditions exist.

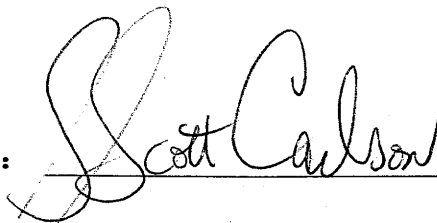
**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

**Qualification Statement**

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Signature:



Date: 12/28/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	
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# CERTIFIED REPORT

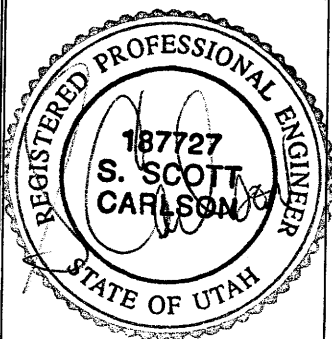
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

## COMMENTS AND OTHER INFORMATION

None

### Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott Carlson, P.E. / Project Director

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date 12/28/01	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.0 acre-feet Maximum Sediment Depth Elevation = 6485.5 Estimated Existing Sediment Elevation = 6484+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6490.6 Primary Drain Elevation = 6486.6</p>		

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially dry with some snow cover.  
No discharge, inlet/outlet conditions are good,  
No structural or hazardous conditions exist.

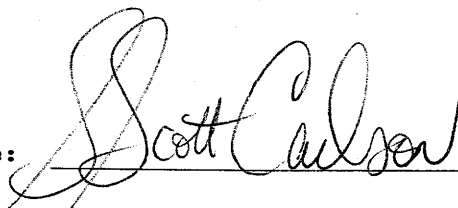
- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

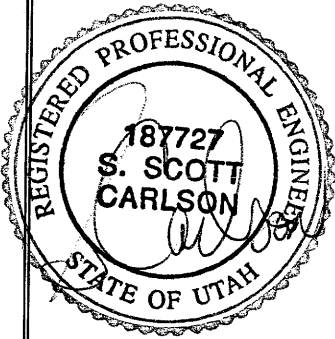
**Qualification  
Statement**

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Signature: \_\_\_\_\_



Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
<b>CERTIFIED REPORT</b>			
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)		<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
<b>COMMENTS AND OTHER INFORMATION</b>			
None			
<b>Certification Statement:</b>  		<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Director</u></p> <p>Signature: <u><i>Scott Carlson</i></u> Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 - UT</u></p>	

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	New Coarse Refuse Toe Sediment Pond	
	<b>Impoundment Number</b>	012	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p><b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b></p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 1.6 acre-feet          Maximum Sediment Depth Elevation = 6177.0          Estimated Existing Sediment Elevation = 6176+-</p>		
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6183.63          Primary Drain Elevation = 6178.2</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

CRT Pond

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially dry with some snow cover.  
No discharge, inlet/outlet conditions are good,  
No structural or hazardous conditions exist.

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

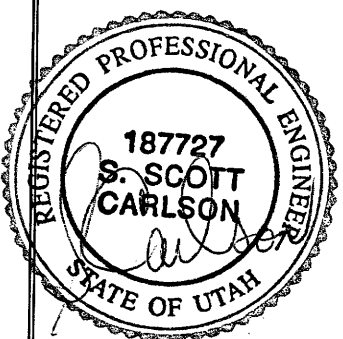
No changes. No structure or stability problems observed.

**Qualification Statement**

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Signature: 

Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	CRT Pond	
<b>CERTIFIED REPORT</b>		
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)	<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
<b>COMMENTS AND OTHER INFORMATION</b>		
None		
<b>Certification Statement:</b>  	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Director</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 - UT</u></p>	



<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		<b>COAL RUNOFF POND</b>	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Coal Runoff Sediment Pond	
	<b>Impoundment Number</b>	014	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p><b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b></p> <p>NONE</p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND</p>	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 1.5 acre feet  Maximum Sediment Depth Elevation = 6476.0  Estimated Existing Sediment Elevation = 6474±</p>		
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6477.9  Emergency Spillway Elevation = 6479.0</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

COAL RUNOFF POND

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially dry with some snow cover.  
No discharge, inlet and outlet conditions are good.  
No structural or hazardous conditions exist.

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.  
No structure or stability problems observed.

**Qualification Statement**

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Signature:



Date: 12/28/01

## IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

COAL RUNOFF POND

## CERTIFIED REPORT

## IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan?

yes

2. Is impoundment free of instability, structural weakness, or any other hazardous condition?

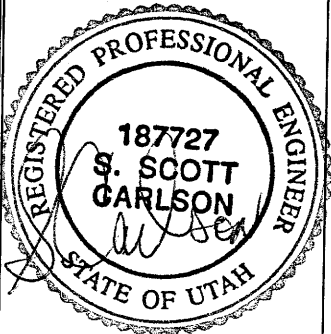
yes

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

yes

## COMMENTS AND OTHER INFORMATION

None

Certification  
Statement:

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By: S. Scott Carlson - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*Date: 12/28/01P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date 12/28/01	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 8.3 acre-feet Maximum Sediment Depth Elevation = 6513.3 Estimated Existing Sediment Elevation = 6511+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6517.03 Primary Drain Elevation = 6514.3</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

Borrow Area Pond

**4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially dry with some snow cover.  
No discharge, inlet/outlet conditions are good,  
No structural or hazardous conditions exist.

**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

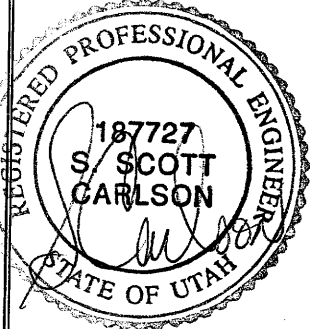
No changes.  
No structure or stability problems observed.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
<b>CERTIFIED REPORT</b>			
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)		<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
<b>COMMENTS AND OTHER INFORMATION</b>			
<p style="margin-left: 40px;">none</p>			
<b>Certification Statement:</b>  		<p>I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, P.E. Project Director</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 Utah</u></p>	

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Coarse Refuse Pile
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Field Evaluation</b>		
1.      Foundation preparation, including the removal of all organic material and topsoil.  N/A		
2.      Placement of underdrains and protective filter systems.  N/A		
3.      Installation of final surface drainage systems.  N/A		
4.      Placement and compaction of fill materials.  N/A  Removal of Coarse and fine Refuse Material Only		

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

N/A

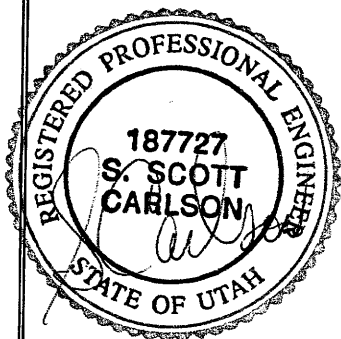
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Waste Coal Removal

No smokers visible

**Certification  
Statement**

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



By: S. Scott Carlson - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 12/28/01

P.E. Number & State: 187727 - UT





Coarse Refuse Pile

June 7, 2001

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-02	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 27+- acre-feet Maximum Sediment Depth Elevation = N/A Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

East Slurry Cell

**4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially dry with some snow cover.  
No structural or hazardous conditions exist.

**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 12/28/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	
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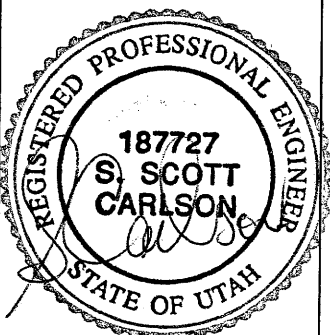
### CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

### COMMENTS AND OTHER INFORMATION

none

### Certification Statement:



I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 12/28/01

P.E. Number & State: 187727 - UT



<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	West Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-03	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p><b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b></p> <p>NONE</p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND</p>	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = N/A Maximum Sediment Depth Elevation = N/A Estimated Existing Sediment Elevation = N/A</p>		
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>N/A</p>		

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

West Cell

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Slurry Cell is Inactive  
Refuse Removal

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

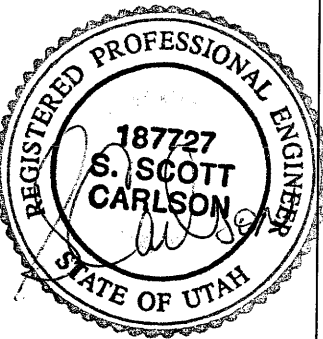
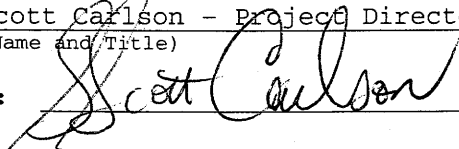
Slurry Cell is not receiving slurry from any source

**Qualification  
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: \_\_\_\_\_

Date: 12/28/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
<b>CERTIFIED REPORT</b>			
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)		<b>YES</b>	<b>NO</b>
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
<b>COMMENTS AND OTHER INFORMATION</b>			
<p style="margin-left: 40px;">none</p>			
<b>Certification Statement:</b>  	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Director</u>  <small>(Full Name and Title)</small></p> <p>Signature: <u></u> Date: <u>12/28/01</u></p> <p>P.E. Number &amp; State: <u>187727 UT</u></p>		

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	Pile Name:	Excess Spoil Disposal Area #1
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-04
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Field Evaluation</b>		
1. Foundation preparation, including the removal of all organic material and topsoil.  N/A		
2. Placement of underdrains and protective filter systems.  N/A		
3. Installation of final surface drainage systems.  N/A		
4. Placement and compaction of fill materials.  Did not receive spoils material during this Year.		



5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

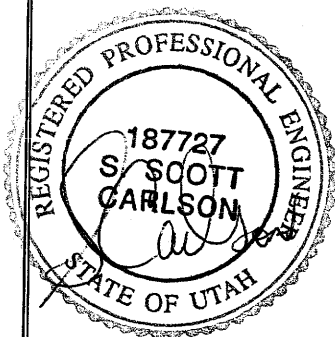
None

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

No Construction occurred during this year. Construction in previous years had been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

**Certification  
Statement**



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

June 7, 2001



Excess Spoil Disposal Area #1

looking West/Northwest

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #2
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-05
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Field Evaluation</b>		
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Existing disturbed site. No topsoil removal is required by approved plan.</p>		
<p>2. Placement of underdrains and protective filter systems.</p> <p>Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.</p>		
<p>3. Installation of final surface drainage systems.</p> <p>N/A</p>		
<p>4. Placement and compaction of fill materials.</p> <p>Placement and compaction of fill material continues in this disposal area. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan. Approximately 23,475 tons of material was placed during the Year.</p> <p>Results from a material samples taken in December 2000 is attached herewith. Additional material samples were gathered in December 2001 and results will be submitted with next year's report.</p>		

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

None

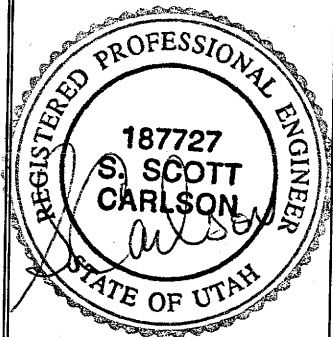
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Both Slurry Pond #1 and Slurry Pond #2 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

**Certification  
Statement**

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



By: S. Scott Carlson - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT



SINCE 1988

# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1818 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 303-863-9300 FAX: 303-863-9306



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4665 PARIS STREET

SUITE B-200

DENVER, CO 80239

TEL: (303) 373-4772

FAX: (303) 373-4791

www.comleco.com

March 23, 2001

 SUNNYSIDE OPERATIONS  
 P.O. BOX 159  
 #1 POWER PLANT ROAD  
 SUNNYSIDE UT 84539

 Sample identification by  
 SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS PILE 2000

XSSpoils Area #2

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received February 14, 2001

Analysis report no. 72-00923

PARAMETERRESULTS

pH	8.44 B.U.
Particle Size Analysis:	
Sand	60 %
Silt	24 %
Clay	16 %
Calcium	13.0 meq/L
Magnesium	11.1 meq/L
Sodium	10.4 meq/L
Selenium	0.01 ppm
Nitrate-N	1.64 ppm
Maximum Acid Potential	25.3 T/1000T
Organic Carbon	9.37 %
Electrical Conductivity	2.99 mmhos/cm
Sodium Absorption Ration	2.99
Total Nitrogen (as determined)	0.22 %
Boron	1.62 ppm
Neautralization Potential	114 T/1000T
Acid Base Account	88.7 T/1000T
Total Sulfur	0.81 %

Post-It Fax Note

7671

Date	3-23-01	# of pages	1
From	Laura		
Co.	C&E Denver		
Phone #			
Fax #			

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

 MEMBER  
**ACIL**

MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



Excess Spoil Disposal Area # 2

June 7, 2001





Excess Spoil Disposal Area #2      North portion looking south



Excess Spoil Disposal Area #2      South portion looking south